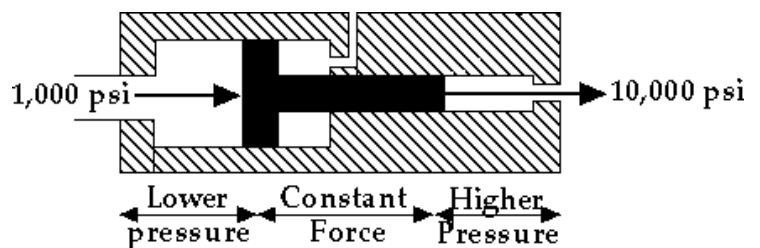
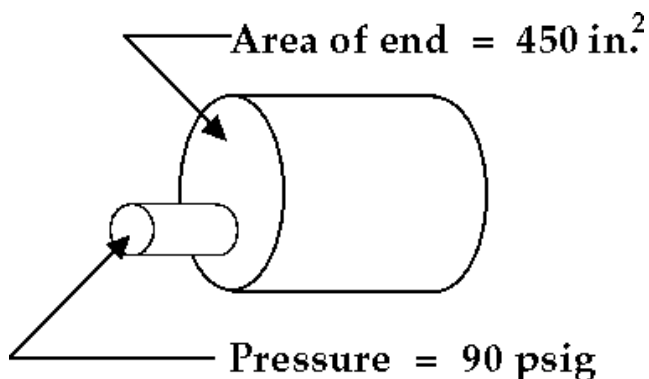
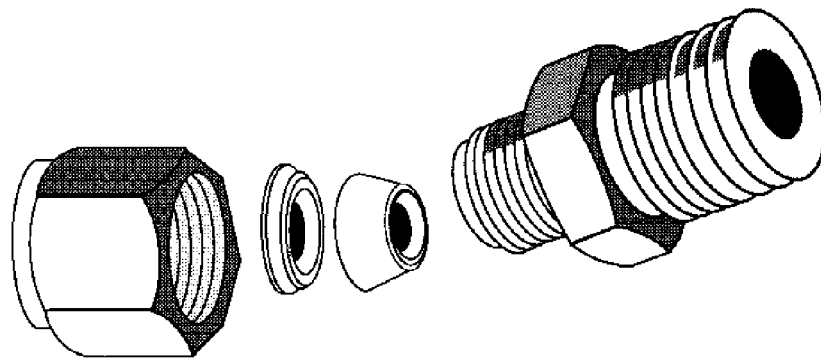


DEPARTMENT OF ENERGY

Intermediate Pressure Safety

HS - 5040



Prepared by:



Lawrence Livermore National Laboratory

Updated 5/94

Hardware & Equipment



Lawrence Livermore National Laboratory

HS-5040 - INTERMEDIATE PRESSURE SAFETY

Course Outline (4 hours)

Introduction and objective 15 minutes

Definitions and concepts 45 minutes

~ Break ~

**Intermediate pressure fittings
and equipment 75 minutes**

~ Break ~

Pressure testing 45 minutes

Appendix A

**Part I; Sealants and Lubricants for
pipe and straight threads**

**Part II; Fluid vs. Seal material
compatibility chart**

Course evaluation, discussion and quiz

BASIC INFORMATION: *Enter here and on original (or new) LLNL Pressure Tested label.*

LLNL PRESSURE TESTED	
FOR MANNED AREA	
ASSY.	
SAFETY NOTE	
M.A.W.P.	PSIG
FLUID	
TEMP.	TO ° F
REMARKS	
TEST NO.	T.R.
EXPIRATION DATE	
BY	DATE

Location of vessel (or system): Bldg. _____ Rm. _____

Description: _____

Manned Area L Remote L

Pressure Vessel ☐ Pressure System ☐ (Check Box)

⇐Pressure Insepector's name and date of test or inspection.

TEST INFORMATION:

1. Test Pressure _____ PSIG.
2. Testing Fluid (oil, He, etc.) _____
3. Test temperature _____ ° C (_____ ° F)
4. Test Report Number (H.P. Lab only) _____
5. Responsible Designer _____ User Dept. _____ User Payroll Acct. _____
6. Responsible User _____ User Div. _____
7. Diameter measurements (for pressure vessel tests only) _____

Location (marked)	Before testing	After testing	Difference (+ or -)
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10			
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INSPECTION INFORMATION:

Inspect the following and check (✓) appropriate column, explaining as required.

1. General appearance of system (or vessel)
2. Relief devices are:
 - a. Properly set (have them checked; reset)
 - b. Properly sealed
 - c. Pointed in safe direction or safely vented
3. All fittings and vessel seals are leak tight
4. Replaced/added fittings, gauges, valves, (and piping*) are properly rated
5. All system components are adequately secured
6. Valve packing nuts are tight, and locked (if locking type)
7. Oil is not apparent on or in* gas (especially oxygen) systems
8. The outside surface of the vessel shows no evidence of strain, damage, or corrosion
9. The inside surface of the vessel shows no evidence of strain,
10. Lined vessel vent path is unobstructed: Check with helium
11. Vessel or system seals are leak-tight. Have replaced as required
12. The vessel or system is safe for continuing operation
13. Vessel or system was pressure tested within the last 6 years, or as required by the safety note. (If not, and certified for manned-area operation, retest it and submit a Pressure Test Record.)

[illegible]

* Consider assurance by the Responsible User as satisfactory verification

Pressure Inspector

APPENDIX A

**Part I Sealants and Lubricants for
Pipe and Straight Threads**

**Part II Fluid vs. Seal Material
Compatibility Chart**